Instituto Tecnológico de Cancún

Materia:

Fundamentos de Telecomunicaciones

Tarea:

Investigar sobre AWS y VPC

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Horario: 17:00 – 18:00

Ing. Sistemas Computacionales

5.-Semestre

AWS

(AMAZON WEB SERVICES)

Amazon Web Services is a provider of cloud services, it allows us to have storage, computing resources, mobile applications, databases and a long cloud computing mode.

About AWS

In 2006, Amazon Web Services (AWS) began providing enterprise IT infrastructure services in the form of web services, better known today as cloud computing. One of the main benefits of cloud computing is the opportunity to replace significant up-front infrastructure expenses with reduced variable costs that scale with your business. Thanks to the cloud, companies no longer have to plan or purchase servers or other IT infrastructure weeks or months in advance. They can have hundreds or thousands of servers in a matter of minutes and deliver results faster.

Today, Amazon Web Services provides a scalable, trusted, and low-cost infrastructure platform in the cloud that powers hundreds of thousands of businesses in 190 countries around the world. With data centers in the United States, Europe, Brazil, Singapore, Japan, and Australia, we have clients from all industries who enjoy the following benefits:

What does AWS offer and what are its main advantages?

- **Security**
- **Data base**
- **Low cost**
- **Accessibility**
- **Visibility and governance**
- **Resilience**

VPC

(Amazon Virtual Prívate Cloud)

Amazon Virtual Private Cloud (Amazon VPC) lets you launch AWS resources on a virtual network that you define. Such a virtual network is virtually identical to traditional networks used in your own data centers, with the benefits of using AWS scalable infrastructure.

Amazon VPC concepts Amazon VPC is the network layer for Amazon EC2. If you're new to Amazon EC2, see What is Amazon EC2? See the Amazon EC2 User Guide for Linux Instances for a brief overview.

The following are the key concepts of VPCs:

- ❖ **Virtual Private Cloud (VPC)**
- ❖ **Subnet**
- ❖ **Routing table**
- ❖ **Internet Gateway**
- ❖ **VPC endpoint**

Information reference:

1) https://aws.amazon.com/es/about-aws/

2) https://www.hiberus.com/crecemos-contigo/amazon-web-services-aws-que-es-y-que-ofrece/

3) https://docs.aws.amazon.com/es_es/vpc/latest/userguide/what-is-amazon-vpc.html